

Appl. No. 10/534,101  
Amd. Dated November 28, 2006  
Reply to Office Action Dated August 29, 2006

### Remarks/Arguments

Please reconsider the application in view of the above amendments and the following remarks. Claims 1 and 13 have been amended. Claims 2-12 remain in this application. It is believed that no new matter has been added by way of any the amendments provided herein.

#### I. Claims Rejection under 35 USC §101

Examiner rejected claims 1-13 under 35 USC 101 because the claimed invention was directed to non-statutory subject matter and the claimed invention lacks patentable utility.

Applicant has amended claims 1 and 13 in order to better reflect how the method produces a result that can be used in a tangible manner. Actually, the method according to the invention provides a very efficient process when seeking to determine the resistivity in a formation crossed by a cased well. When determining the resistivity in a formation crossed by a cased well, it is very interesting to be able to correlate measurements taken from resistivity logs with a cased-well and with a non-cased well in order to sharpen the determination of the geometric factor  $k$ , which will in turn sharpen the determination of the formation resistivity in itself. The method of the invention details the various steps to go through in order to achieve determination of the factor and consequently of the formation resistivity, which is a crucial physical parameter within assessment of geological formation in oilfield technologies.

Therefore, the method according to the invention aims at providing a result that can be used in a very tangible manner, i.e. that can permit to determine an essential physical parameter of a formation, said parameter permitting to locate hydrocarbons deposits within said formation.

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II. Claims Rejections under 35 USC §112

Examiner rejected claims 1-13 under 35 USC 112 as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

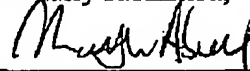
Applicant has amended claims 1 and 13 in order to overcome the rejection. Precisely, amendments made to claim 1 and 13 seek to complete the omitted tangible interaction between the calculated result and the determination of the formation resistivity.

Applicant believes that these amendments and remarks deal with all outstanding matters and raise no new matter issues. Applicant respectfully requests that a timely Notice of Allowance be issued in this case. If this belief is incorrect, or other issues arise, do not hesitate to contact the undersigned at the telephone number listed below.

This paper is submitted in response to the Office Action dated August 29, 2006 for which the three-month date for response is November 29, 2006. Please apply any charges not covered, or any credits, to Deposit Account 50-2183 (Reference Number 21.1034).

Date: 11/28/06

Respectfully submitted,



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